

INDEX TO VOLUME XVIII.

AUTHORS.

	PAGE
ABBOT, C. G. The Construction of a Sensitive Galvanometer for Spectro-Bolometric Purposes - - - - -	1
ADAMS, WALTER S. Some Miscellaneous Radial Velocity Determinations with the Bruce Spectrograph - - - - -	67
ADAMS, WALTER S., and EDWIN B. FROST. Spectrographic Observations of Standard Velocity Stars (1902-1903) - - - - -	237
Ten Stars whose Radial Velocities Vary - - - - -	383
BARRETT, S. B. Review of : <i>History of Astronomy in the Nineteenth Century</i> . Fourth Edition, Miss A. M. Clerke - - - - -	397
BARNARD, E. E. Photographic Observations of Borrelly's Comet and Explanation of the Phenomenon of the Tail on July 24 - - - - -	210
BELL, LOUIS. The Perot-Fabry Corrections of Rowland's Wave-Lengths - - - - -	191
CAMPBELL, W. W. Review of : <i>Problems in Astrophysics</i> , Miss A. M. Clerke - - - - -	156
CAMPBELL, W. W., and H. D. CURTIS. A List of Five Stars whose Velocities in the Line of Sight are Variable - - - - -	306
CORTIE, A. L. Solar Prominences and Terrestrial Magnetism - - - - -	287
CREW, HENRY. Review of : <i>Lehrbuch der Physik</i> , O. D. Chwolson - - - - -	396
CURTIS, H. D., and H. M. REESE. The Spectrum of <i>Nova Geminorum</i> - - - - -	299
CURTIS, H. D., and W. W. CAMPBELL. A List of Five Stars whose Velocities in the Line of Sight are Variable - - - - -	306
EBERHARD, G. On the Spectrum and Radial Velocity of χ Cygni - - - - -	198
FOWLER, A., and H. SHAW. On Formulæ for Spectrum Series - - - - -	21
FOX, PHILIP. The Spectrum of Lightning - - - - -	294
FROST, EDWIN B., and WALTER S. ADAMS. Spectrographic Observations of Standard Velocity Stars (1902-1903) - - - - -	237
Ten Stars whose Radial Velocities Vary - - - - -	383
HARTMANN, J. The Wave-Lengths of the Silicon Lines λ_{4128} and λ_{4131} and of the Carbon Line λ_{4267} - - - - -	65
A Revision of Rowland's System of Wave-Lengths - - - - -	167
HUGGINS, SIR WILLIAM, and LADY HUGGINS. On the Spectrum of the Spontaneous Luminous Radiation of Radium at Ordinary Temperatures - - - - -	151
Further Observations on the Spectrum of the Spontaneous Luminous Radiation of Radium at Ordinary Temperatures - - - - -	390

	PAGE
HUMPHREYS, W. J. On Double Reversal - - - - -	204
On Certain Methods of Economizing the Light in Spectrum Analysis - - - - -	324
JULIUS, W. H. Peculiarities and Changes of Fraunhofer Lines Interpreted as Consequences of Anomalous Dispersion of Sunlight in the Corona - - - - -	50
KENT, N. A. Review of: <i>The Theory of Optics</i> , Paul Drude - -	75
KING, A. S. Some Effects of Change of Atmosphere on Arc Spectra with Reference to Series Relations - - - - -	129
MICHELSON, A. A. On the Spectra of Imperfect Gratings - -	278
MOORE, J. H., and R. W. WOOD. The Fluorescence and Absorption Spectra of Sodium Vapor - - - - -	94
PALMER, HAROLD KING. An Application for the Crossley Reflector of the Lick Observatory to the Study of Very Faint Spectra -	218
PARKHURST, J. A. The Variable Star 6871 <i>V Lyrae</i> - - - -	33
The Variable Star 1921 <i>W Aurigae</i> - - - - -	309
PARSONS, LOUIS A. The Spectrum of Hydrogen - - - - -	112
PERRINE, C. D. Photographic Spectrum of <i>Nova Geminorum</i> -	297
PICKERING, EDWARD C. A Photographic Map of the Entire Sky -	70
REESE, H. M., and H. D. CURTIS. The Spectrum of <i>Nova Geminorum</i> - - - - -	299
RUNGE, C. The Spectrum of the Aurora - - - - -	381
SHAW, H., and A. FOWLER. On Formulæ for Spectrum Series -	21
STEBBINS, JOEL. The Spectrum of <i>o Ceti</i> - - - - -	341
WADSWORTH, F. L. O. On Measurements of Wave-Length with the Concave Grating Objective Spectroscope - - - - -	77
WOOD, R. W., and J. H. MOORE. The Fluorescence and Absorption Spectra of Sodium Vapor - - - - -	94

INDEX TO VOLUME XVIII.

SUBJECTS.

	PAGE
ABSORPTION Spectra of Sodium Vapor, Fluorescence and. <i>R. W. Wood and J. H. Moore</i> - - - - -	94
ANALYSIS, On Certain Methods of Economizing Light in Spectrum. <i>W. J. Humphreys</i> - - - - -	324
ANOMALOUS Dispersion of Sunlight in Corona, Peculiarities and Changes of Fraunhofer Lines Interpreted as Consequences of. <i>W. H. Julius</i> - - - - -	50
ARC Spectra with Reference to Series Relations, Some Effects of Change of Atmosphere on. <i>A. S. King</i> - - - - -	129
1921 <i>W Aurigae</i> , Variable Star. <i>J. A. Parkhurst</i> - - - - -	309
AURORA, Spectrum of. <i>C. Runge</i> - - - - -	381
BOLOMETER, Construction of a Sensitive Galvanometer for Spectro-. <i>C. G. Abbot</i> - - - - -	1
BORRELLY'S Comet and Explanation of Phenomenon of Tail on July 24, Photographic Observations of. <i>E. E. Barnard</i> - - -	210
BRUCE Spectrograph, Some Miscellaneous Radial Velocity Determinations with. <i>Walter S. Adams</i> - - - - -	67
CARBON Line $\lambda 4267$, Wave-Lengths of Silicon Lines $\lambda 4128$ and $\lambda 4131$ and of. <i>J. Hartmann</i> - - - - -	65
α <i>Ceti</i> , The Spectrum of. <i>Joel Stebbins</i> - - - - -	341
COMET, Photographic Observation of Borrelly's. <i>E. E. Barnard</i> -	210
CORONA, Peculiarities and Changes of Fraunhofer Lines Interpreted as Consequences of Anomalous Dispersion of Sunlight in the. <i>W. H. Julius</i> - - - - -	50
CORRECTIONS of Rowland's Wave-Lengths, The Perot-Fabry. <i>Louis Bell</i> - - - - -	191
CROSSLEY Reflector of the Lick Observatory in the Study of Very Faint Spectra. <i>Harold King Palmer</i> - - - - -	218
χ <i>Cygni</i> , On the Spectrum and Radial Velocity of. <i>G. Eberhard</i> -	198
DISPERSION of Sunlight in Corona, Peculiarities and Changes of Fraunhofer Lines Interpreted as Consequences of Anomalous. <i>W. H. Julius</i> - - - - -	50
DOUBLE Reversal. <i>W. J. Humphreys</i> - - - - -	204
FABRY Corrections of Rowland's Wave-Lengths, The Perot-. <i>Louis Bell</i> - - - - -	191
FLUORESCENCE and Absorption Spectra of Sodium Vapor. <i>R. W. Wood and J. H. Moore</i> - - - - -	94

	PAGE
FORMULÆ for Spectrum Series. <i>A. Fowler and H. Shaw</i> - -	21
GALVANOMETER for Spectro-Bolometric Purposes, Construction of Sensitive. <i>C. G. Abbot</i> - - - - -	1
<i>Geminorum</i> , Photographic Spectrum of <i>Nova</i> . <i>C. D. Perrine</i> - -	297
<i>Geminorum</i> , Spectrum of <i>Nova</i> . <i>H. M. Reese and H D Curtis</i> - -	299
GRATING Objective Spectroscope, On Measurements of Wave-Length with Concave. <i>F. L. O. Wadsworth</i> - - - - -	77
GRATINGS, On Spectra of Imperfect. <i>A. A. Michelson</i> - - -	278
HYDROGEN, Spectrum of. <i>Louis A. Parsons</i> - - - - -	112
LIGHTNING, Spectrum of. <i>Philip Fox</i> - - - - -	294
6871 <i>V Lyrae</i> , Variable Star. <i>J. A. Parkhurst</i> - - - - -	33
MAGNETISM, Solar Prominences and Terrestrial. <i>A. L. Cortie</i> - -	287
MAP of Entire Sky, Photographic. <i>Edward C. Pickering</i> - -	70
MEASUREMENTS of Wave-Length with Concave Grating Objective Spectroscope. <i>F. L. O. Wadsworth</i> - - - - -	77
<i>Nova Geminorum</i> , Photographic Spectrum of. <i>C. D. Perrine</i> - -	297
Spectrum of. <i>H. M. Reese and H. D. Curtis</i> - - - - -	299
OBJECTIVE Spectroscope, On Measurements of Wave-Length with Concave Grating. <i>F. L. O. Wadsworth</i> - - - - -	77
OBSERVATIONS of Borrelly's Comet and Explanation of Phenomenon of Tail on July 24. <i>E. E. Barnard</i> - - - - -	210
Of Standard Velocity Stars (1902-1903), Spectographic. <i>Edwin B. Frost and Walter S. Adams</i> - - - - -	237
PEROT-FABRY Corrections of Rowland's Wave-Lengths. <i>Louis Bell</i>	191
PHOTOGRAPHIC MAP of Entire Sky. <i>Edward C. Pickering</i> - -	70
Spectrum of <i>Nova Geminorum</i> . <i>C. D. Perrine</i> - - - - -	297
PROMINENCES and Terrestrial Magnetism, Solar. <i>A. L. Cortie</i> -	287
RADIAL Velocity Determinations with Bruce Spectrograph, Some Miscellaneous. <i>Walter S. Adams</i> - - - - -	67
Velocity of χ <i>Cygni</i> , On Spectrum and. <i>G. Eberhard</i> - - -	198
Velocities Vary, Ten Stars whose. <i>Edwin B. Frost and Walter S. Adams</i> - - - - -	383
At Ordinary Temperatures, Further Observation on Spectrum of Spontaneous Luminous. <i>Sir William Huggins and Lady Huggins</i> - - - - -	390
RADIUM at Ordinary Temperatures, On the Spectrum of Spontaneous Luminous Radiation of. <i>Sir William Huggins and Lady Huggins</i> - - - - -	151
REVERSAL, On Double. <i>W. J. Humphreys</i> - - - - -	204
REVIEWS, See Table of Contents.	
ROWLAND'S System of Wave-Lengths, Revision of. <i>J. Hartmann</i> -	167
Wave-Lengths, Perot-Fabry Corrections of. <i>Louis Bell</i> - -	191

	PAGE
SERIES, On Formulæ for Spectrum. <i>A. Fowler and H. Shaw</i> - -	21
Relations, Some Effects of Change of Atmosphere on Arc Spectra with Reference to. <i>A. S. King</i> - - - - -	129
SILICON Lines $\lambda 4128$ and $\lambda 4131$ and of Carbon Line $\lambda 4267$, Wave- Lengths of. <i>J. Hartmann</i> - - - - -	65
SKY, Photographic Map of the Entire. <i>Edward C. Pickering</i> - -	70
SODIUM Vapor, Fluorescence and Absorption Spectra of. <i>R. W. Wood</i> and <i>J. H. Moore</i> - - - - -	94
SOLAR Prominences and Terrestrial Magnetism. <i>A. L. Cortie</i> - -	287
SPECTRA of Sodium Vapor, Fluorescence and Absorption. <i>R. W.</i> <i>Wood and J. H. Moore</i> - - - - -	94
With Reference to Series Relations, Some Effects of Change of Atmosphere on Arc. <i>A. S. King</i> - - - - -	129
Application of Crossley Reflector of Lick Observatory to Study of Very Faint. <i>Harold King Palmer</i> - - - - -	218
Of Imperfect Gratings, On the. <i>A. A. Michelson</i> - - - - -	278
SPECTRO-BOLOMETRIC Purposes, Construction of Sensitive Galva- nometer for. <i>C. G. Abbot</i> - - - - -	1
SPECTROGRAPH, Some Miscellaneous Radial Velocity Determinations with the Bruce. <i>Walter S. Adams</i> - - - - -	67
SPECTROGRAPHIC Observations of Standard Velocity Stars (1902- 1903). <i>Edwin B. Frost and Walter S. Adams</i> - - - - -	237
SPECTROSCOPE, On Measurements of Wave-Length with Concave Grating Objective. <i>F. L. O. Wadsworth</i> - - - - -	77
SPECTRUM Series, On Formulæ for. <i>A. Fowler and H. S. Shaw</i> - -	21
Of Hydrogen. <i>Louis A. Parsons</i> - - - - -	112
Of Spontaneous Luminous Radiation of Radium at Ordinary Temperatures. <i>Sir William Huggins and Lady Huggins</i> 151, 390	
And Radial Velocity of χ Cygni. <i>G. Eberhard</i> - - - - -	198
Of Lightning. <i>Philip Fox</i> - - - - -	294
Of <i>Nova Geminorum</i> , Photographic. <i>C. D. Perrine</i> - - - - -	297
Of <i>Nova Geminorum</i> . <i>H. M. Reese and H. D. Curtis</i> - - - - -	299
Analysis, On Certain Methods of Economizing Light in. <i>W. J.</i> <i>Humphreys</i> - - - - -	324
Of α Ceti. <i>Joel Stebbins</i> - - - - -	341
Of Aurora. <i>C. Runge</i> - - - - -	381
Of Spontaneous Luminous Radiation of Radium at Ordinary Temperature, Further Observations on. <i>Sir William Huggins</i> and <i>Lady Huggins</i> - - - - -	390
STAR 6871 <i>V Lyrae</i> , Variable. <i>J. A. Parkhurst</i> - - - - -	33
1921 <i>W Aurigae</i> , Variable. <i>J. A. Parkhurst</i> - - - - -	309
STARS (1902-1903), Spectrographic Observations of Standard Velo- city. <i>Edwin B. Frost and Walter S. Adams</i> - - - - -	237

	PAGE
Whose Velocities in Line of Sight are Variable, List of Five. <i>W. W. Campbell and H. D. Curtis</i> - - - - -	306
Whose Radial Velocities Vary, Ten. <i>Edwin B. Frost and Walter S. Adams</i> - - - - -	383
SYSTEM of Wave-Lengths, Revision of Rowland's. <i>J. Hartmann</i> -	167
VARIABLE Star 6871 <i>V Lyrae</i> . <i>J. A. Parkhurst</i> - - - - -	33
Star 1921 <i>W Aurigae</i> . <i>J. A. Parkhurst</i> - - - - -	309
VELOCITIES in Line of Sight are Variable, List of Five Stars Whose. <i>W. W. Campbell and H. D. Curtis</i> - - - - -	306
Vary, Ten Stars Whose Radial. <i>Edwin B. Frost and Walter S. Adams</i> - - - - -	383
VELOCITY Determinations with Bruce Spectrograph, Some Miscellaneous Radial. <i>Walter S. Adams</i> - - - - -	67
Of χ Cygni, On Spectrum and Radial. <i>G. Eberhard</i> - - -	198
Stars (1902-1903), Spectrographic Observations of Standard. <i>Edwin B. Frost and Walter S. Adams</i> - - - - -	237
WAVE-LENGTHS of the Silicon Lines λ_{4128} and λ_{4131} and of the Carbon Line λ_{4267} . <i>J. Hartmann</i> - - - - -	65
With Concave Grating Objective Spectroscope, On Measurements of. <i>F. L. O. Wadsworth</i> - - - - -	77
Revision of Rowland's System of. <i>J. Hartmann</i> - - - -	167
Perot-Fabry Corrections of Rowland's. <i>Louis Bell</i> - - -	191

For titles of Reviews see Table of Contents.

